



# Missouri Weekly Influenza Report

## 2005-2006 Season<sup>1</sup>

**Missouri is reporting “sporadic activity” to the CDC for Week 16<sup>2</sup>.**

[To view weekly maps click here.](#)

**TABLE 1. Reported Laboratory-Confirmed Cases by Sub-type  
For the Week Ending April 22, 2006 (Week 16)**

Serogroups	A (non-typed)	A (H3N2)	A (H1N1)	B	A or B Untyped (rapid test)	Total
Week 16	27	2	0	14	0	43
Season-to-Date*	8,487	80	1	1,192	2,816	12,576

\*The influenza season begins Week 40 (week ending October 8, 2005) and ends Week 20 (week ending May 20, 2006).

**TABLE 2. Clusters/Outbreaks of Influenza-like Illness  
For the Week Ending April 22, 2006 (Week 16)**

Health Region	Central	Eastern	NW	SE	SW	Current Week Total	Season -to- Date 05-06	Season -to - Date 04-05
School Closings	0	0	0	0	0	0	4	13
Community Outbreaks	0	0	0	0	0	0	0	0
Long Term Care or Institutional Outbreaks	0	0	0	0	0	0	7	8
Other Outbreaks	0	0	0	0	0	0	2	6
Season-to-Date by Region	7	0	3	0	3			

**TABLE 3. Deaths Involving Pneumonia and Influenza (P&I)  
Reported During the Week Ending April 15, 2006 (Week 15)<sup>\*</sup>**

Week 15	Season-to-Date	Week 15 Last Season	5 Year Weekly Median
138	2,497	128	121

\* Beginning in week 35 of 2003, the number of P&I deaths became based on a new system of retrieval that now includes all contributing causes of death from death certificates.

**TABLE 4. U.S. Influenza Sentinel Physicians Surveillance Network (US ISPSN)  
Influenza-like Illness (ILI) for the Week Ending April 15, 2006 (Week 15)**

Age 0-4	Age 5-24	Age 25-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
1	4	4	0	9	1,431	0.62%*

\*This is below the national baseline of 2.5%.

**TABLE 5. Respiratory Specimens Submitted to SPHL for Viral Testing  
For the Week Ending April 22, 2006 (Week 16)**

	Positive Specimens						Total Number Specimens Submitted
	Influenza	Para- influenza	Respiratory Syncytial Virus (RSV)	Adeno- virus	Rhino- virus	Entero- virus	
Week 16	0	0	0	0	0	0	1
Season-to-Date	95	3	1	2	1	0	183

### **Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health Laboratory**

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has submitted thirty-two influenza isolates this season to CDC for antigenic characterization.

#### **Results Received from CDC:**

CDC has antigenically characterized ten of those isolates so far this season: two as Influenza B/Florida/07/2004-like viruses, one B/Shanghai/361/2002-like B/Shanghai/361/2002-like viruses. B/Jilin/20/2003 and B/Jiangsu/10/2003 are B/Shanghai /361/2001-like viruses used by many manufacturers for vaccine production. Many recent viruses from the lineage are antigenically similar to a new reference strain: B/Florida/07/2004.

Two were A/California/07/2004-like (H3N2), which was recommended by WHO as the H3 component for the 2005-2006 Northern Hemisphere vaccine and the 2006 Southern Hemisphere vaccine.

Two were A/New York/55/2004-like (H3N2), the A/California/07/2005-like virus that was used by most manufacturers for vaccine production

One was A (H1N1).

**Data Sources:** Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

### **Find Us on the Web**

This report may also be found on the DHSS Internet at: [www.dhss.state.mo.us/Influenza/index.html](http://www.dhss.state.mo.us/Influenza/index.html).

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: [www.cdc.gov/ncidod/diseases/flu/weekly.htm](http://www.cdc.gov/ncidod/diseases/flu/weekly.htm).

### **Contact Us**

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is **1-800-392-0272**.

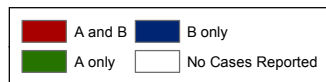
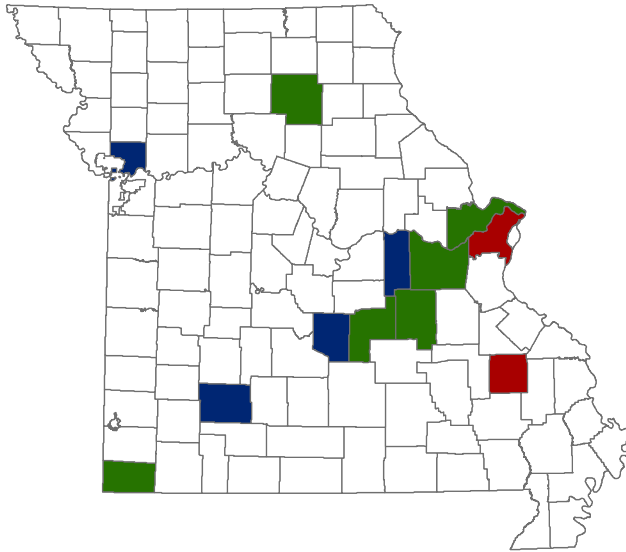
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<sup>1</sup> *All data in this report are provisional and may change as reports are updated.*

<sup>2</sup> *Influenza activity codes are reported to CDC each Tuesday.*

## Influenza: Weekly Serotypes

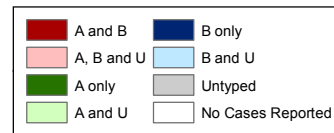
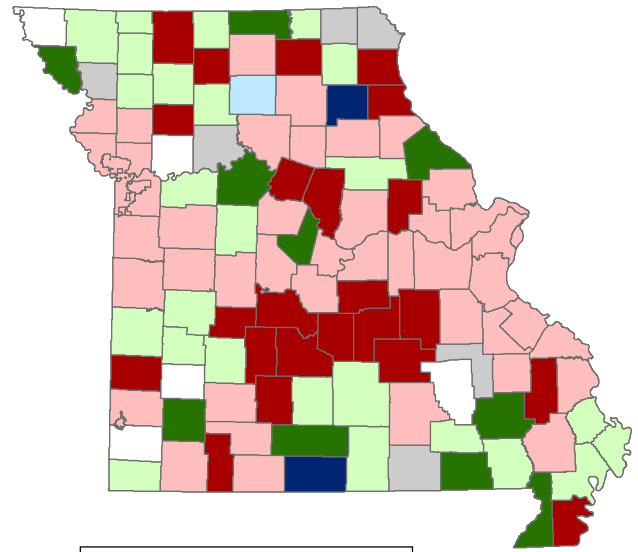
Influenza Season 2005-06, Missouri by County  
Confirmed Influenza, Type A, B, or A/B Undifferentiated  
Week 16, Ending April 22, 2006



A = Influenza A  
B = Influenza B  
U = Untyped

## Influenza: Season Serotypes

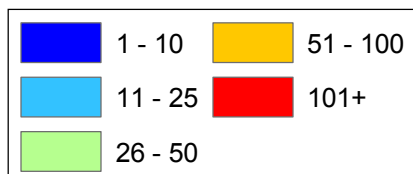
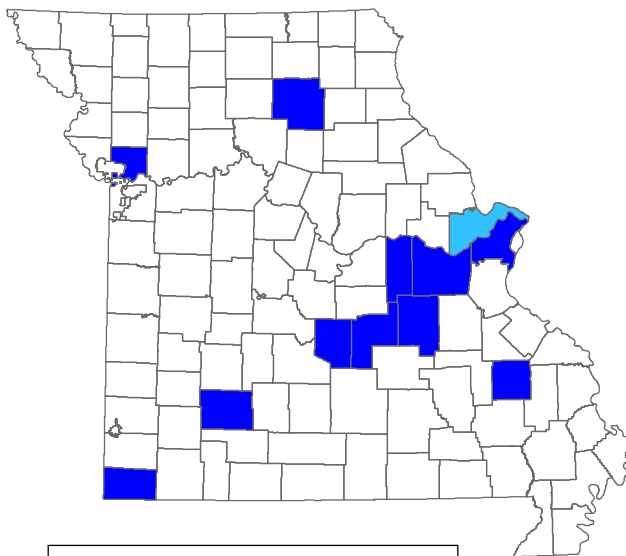
Influenza Season 2005-06, Missouri by County  
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Season-to-Date, As of April 22, 2006



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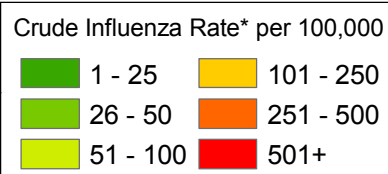
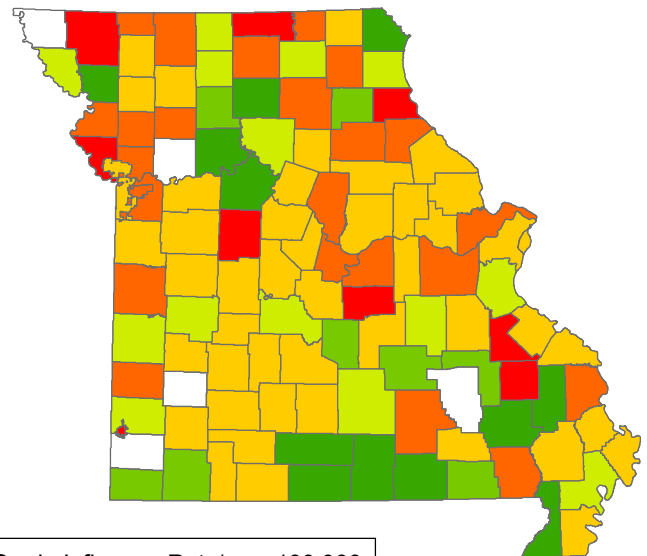
## Influenza: Weekly Count

Influenza Season 2005-06, Missouri by County  
Confirmed Influenza, Number of Reported Cases, All Types,  
Week 16, Ending April 22, 2006



## Influenza: Season Rate

Influenza Season 2005-06, Missouri by County  
Confirmed Influenza, Rate of Reported Cases, All Types,  
Season-to-Date, As of April 22, 2006



NOTE: Class ranges may change from week to week to reflect the growth in rates statewide.

\* Rates derived from Census 2000 population figures